

Günter Houdek

Date of Birth: 2 May 1962

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EDUCATION

- 2007 Habilitation in Astronomy at the University of Vienna.
- 1997 Ph.D. degree (Dr. rer. nat.) in Astronomy awarded with distinction from the University of Vienna (Thesis: Pulsation of Solar-type stars).
- 1994 “VIth Canary Islands Winter School of Astrophysics”, Tenerife, Spain.
- 1993 Three-month research visit (Erasmus scholar), Aarhus University, DK.
- 1991 – 92 Course studies in Stellar Structure, Evolution and Oscillations, University of Vienna.
- 1988 Dipl. Ing. degree awarded with distinction in Electrical Engineering and Industrial Electronics from the Vienna University of Technology.
- 1981 School-leaving examination at the College of Technology (Communication Engineering), Vienna.

PROFESSIONAL ACTIVITIES

- 2006 Two-month research visit at the Institute of Physics and Astronomy, Aarhus, DK.
- 2005 Two-month research visit at the Department of Astronomy, University of Tokyo, J.
- 2005 – Senior Research Associate, Institute of Astronomy, University of Cambridge, UK.
- 1999 One-month research visit at the Observatoire de Paris, section DASGAL, F.
- 1997 – 2005 Research Associate at the Institute of Astronomy, University of Cambridge, UK.
- 1994 – 95 Research visit at the Institute of Physics and Astronomy, Aarhus University, DK.
- 1994 Two-month research visit at the Institute of Physics and Astronomy, Aarhus, DK.
- 1983 – 97 Computer-network adviser and system programmer, Vienna Univ. of Technology.
- 1982 – 83 Engineer at Norma Meßtechnik Ges.m.b.H. (micro-processor-controlled measuring systems), Vienna.

FELLOWSHIPS and AWARDS

- 1993 ERASMUS fellow at the Institute of Physics and Astronomy, Aarhus University, DK.
- 1994 – 95 FWF (Austrian Science Fond) scholarship for short-term projects abroad.
- 2001 – 04 Junior Research Fellow of Wolfson College, Cambridge (competitive selection).
- 2002 – Fellow of the Royal Astronomical Society.
- 2004 – Senior Member of Wolfson College, Cambridge.
- 2007 Shortlisted for the Austrian START prize.

TEACHING EXPERIENCE

- 2007 – 08 Lecture course on “Variable Stars I”, University of Vienna.
- 2006 Examiner in “Part 1A Mathematics”, University of Cambridge.
- 2005 – 06 Lecture course on “Theory of Pulsating Stars”, University of Vienna.
- 2003 Adviser (setting and marking) for “Essays in Part II Astrophysics”, Cambridge.
- 2002 – 04 Supervisions in “Fluid Dynamics”, Part II Physics, University of Cambridge.
- 1994 – 95 Lecture and exercise classes on “Stellar Structure and Evolution”, Aarhus University.

PRESENTATIONS AT ACADEMIC CONFERENCES AND WORKSHOPS

- 1995 Invited talk at the EVRIS Workshop at the Observatoire de Paris, France.
- 1998 Invited talk at the NAM98 meeting at the University of St Andrews, Scotland.
- 1998 Invited talk at the COROT Workshop in Nice, France.
- 1999 Invited talk at “The treatment of convection in stellar atmospheres”, Paris.
- 1999 Contributed talk, “Workshop on Delta Scuti and Related Stars”, University of Vienna.
- 2001 Invited talk, “New Developments in Astrophysical Fluid Dynamics”, Chateau de Mons, France.
- 2001 Invited talk at the IAU Colloquium 185, Leuven, Belgium.
- 2002 Invited talk at the International Conference in Mmabatho, South Africa.
- 2004 Invited lecture at the International Workshop on “Equation-of-State and Phase Transition issues in Astrophysical Matters”, Lorentz Center, Leiden, NL.
- 2005 Invited talk at the RAS meeting on “Seismology of the Sun” in London, UK.
- 2006 Invited talk at the SOHO 18/GONG 2006/HelAs I conference in Sheffield, UK.
- 2006 Invited talk at the conference “Future of Asteroseismology” in Vienna, Austria.
- 2008 Invited contributed talk at the IAU Symposium 252 in Sanya, China.
- 2008 Invited talk at the HelAs workshop in Wroclaw, Poland.

PARTICIPATION IN INTERNATIONAL RESEARCH PROJECTS

- asteroFLAG An international group with the aims to help the community to refine existing, and to develop new, methods for the analysis of asteroseismic data from sun-like oscillators.
- CoRoT Convection Rotation and planetary Transits. The successfully launched French space mission for measuring stellar oscillations and detecting extrasolar planets.
- KASC The Kepler Asteroseismic Science Consortium helps with the preparations for and takes part in the Kepler data analysis.
- SONG The proposed Danish Solar Oscillation Network Group will observe sun-like oscillations in distant stars.

Vienna, 8 May 2008

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